Form PTO-1449 U.S. Department of Commerce Patent and Trademark Office	Atty. Docket No. ~~64481/JPW/AJM/MML~~	Serial No. 10/091,714
INFORMATION DISCLOSURE CITATION (Use several sheets if necessary)	Applicants: Isabelle Mansuy and Eric R. Kandel	
	Filing Date March 5, 2002	Group 1632

U.S. PATENT DOCUMENTS

Examiner Initial		Document Number	Date	Name	Class	Subclass	Filing Date if Appropriate
~~—~~		0 0 1 8 2 0 7	08/30/2001	~~Kandel et al.~~ (Exhibit 1);			
AMJ		5 5 6 7 7 2 4	10/22/1996	Kelleher et al. (Exhibit 2);	514	368	
AMJ		5 7 2 0 9 3 6	02/24/1998	Wadsworth et al. (Exhibit 3);	424	9.1	
AMJ		5 7 2 3 4 3 6	03/3/1998	Huang et al. (Exhibit 4);	514	2	
AMJ		5 8 0 7 6 9 3	09/15/1998	Scott et al. (Exhibit 5);	435	7.21	
AMJ		6 3 2 3 3 9 1	11/27/2001	Schlaepfer et al. (Exhibit 6);	800	18	

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AMJ		Abel, T., et al., "Memory suppressor genes: inhibitory constraints on the storage of long-term memory," *Science*, 279:338-341 (1998) **(Exhibit 7);**
↓		Bach, M.E., et al., "Age-related defects in spatial memory are correlated with defects in the late phase of hippocampal long-term potentiation *in vitro* and are attenuated by drugs that enhance the cAMP signaling pathway," *Proc. Natl. Acad. Sci. U.S.A.*, 96:5280-5285 (1999) **(Exhibit 8);**
↓		Buhot, M.-C., and Naili, S., "Changes in exploratory activity following stimulation of hippocampal 5-HT1A and 5-HT1B receptors in the rat," *Hippocampus*, 5:198-208 (1995) **(Exhibit 9);**
AMJ		Cassel, J.-C., et al., "Fimbria-fornix versus selective hippocampal lesions in rats: effects on locomotor activity and spatial learning and memory," *Neurobiol. Learn. Mem.*, 69:22-45 (1998) **(Exhibit 10);**

EXAMINER Anne-Marie Falk	DATE CONSIDERED 4/25/05

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AMJ		Errington, M.L., et al., "Long-term potentiation in awake mutant mice," *Nature*, 387:666-667 (1997) **(Exhibit 11)**;
		Gossen, M., et al., "Transcriptional activation by tetracyclines in mammalian cells," *Science*, 268:1766-1769 (1995) **(Exhibit 12)**;
		Ikegami, S., et al., "A facilitatory effect on the induction of long-term potentiation in vivo by chronic administration of antisense oligodeoxy-nucleotides against catalytic subunits of calcineurin," *Brain Res. Mol. Brain Res.*, 41:183-191 (1996) **(Exhibit 13)**;
		Ikegami, S., and Inokuehi, K. "Antisense DNA against calcineurin facilitates memory in contextual fear conditioning by lowering the threshold for hippocampal long-term potentiation induction," *Neuroscience*, 98:637-646 (2000) **(Exhibit 14)**;
AMJ		Jerecic, J., et al., "Studies on conditional gene expression in the brain," *Ann. N.Y. Acad. Sci.*, 868:27-37 (1999) **(Exhibit 15)**;

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AMJ		Lisman, J. "The CaM kinase II hypothesis for the storage of synaptic memory," *Trends Neurosci.*, 17:406-412 (1994) **(Exhibit 16);**
		Lu, Y.-F., et al. "Calcineurin inhibitors, FK506 and cyclosporin A, suppress the NMDA receptor-mediated potentials and LTP, but not depotentiation in the rat hippocampus" *Brain Res.*, 729:142-146 (1996) **(Exhibit 17);**
		Lu, Y.M., et al., "Calcineurin mediated long-term depression of GABAergic inhibition underlies the long-lasting increase in the excitability of CA1 hippocampal pyramidal cells induced by LTP," *Neuron*, 26:197-205 (2000) **(Exhibit 18);**
		Malleret, G., et al., "5-HT1B receptor knock-out mice exhibit increased exploratory activity and enhanced spatial memory performance in the Morris water maze," *J. Neurosci.*, 19:6157-6168 (1999) **(Exhibit 19);**
AMJ		Malleret, G., et al., "Inducible and reversible enhancement of learning, memory, and long-term potentiation by genetic inhibition of calcineurin," *Cell*, 104:675-686 (2001) **(Exhibit 20);**

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AMa		Mansuy, I.M., et al., "Restricted and regulated overexpression reveals calcineurin as a key component in the transition from short-term to long-term memory," *Cell*, 92:39-49 (1998) **(Exhibit 21);**
↓		Mansuy, I.M., et al., "Inducible and reversible gene expression with the rtTA system for the study of memory," *Neuron*, 21:257-265 (1998) **(Exhibit 22);**
↓		Morris, R.G.M., "Synaptic plasticity and learning: selective impairment of learning in rats and blockade of long-term potentiation in vivo by the N-methyl-D-aspartate receptor antagonist AP5", *J. Neurosci.*, 9:3040-3057 (1989) **(Exhibit 23);**
AMa		Mulkey, R.M., et al., "Involvement of a calcineurin/inhibitor-1 phosphatase cascade in hippocampal long-term depression," *Nature*, 369:486-488 (1994) **(Exhibit 24);**

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AMA		Parsons, J.N., et al., "Regulation of calcineurin phosphatase activity and interaction with the FK-506-FK-506 binding protein complex," *J. Biol. Chem.*, 269:19610-19616 (1994) **(Exhibit 25);**
		Perrino, B.A., et al., "Calcium regulation of calcineurin phosphatase activity by its B subunit and calmodulin. Role of the autoinhibitory domain," *J. Biol. Chem.*, 270:340-346 (1995) **(Exhibit 26);**
		Tang, Y.P., et al., "Genetic enhancement of learning and memory in mice," *Nature*, 407:63-69 (1999) **(Exhibit 27);**
		Tong, G., et al., "Synaptic desensitization of NMDA receptors by calcineurin," *Science*, 267:1510-1512 (1995) **(Exhibit 28);**
		Wang, J.-H. and Stelzer, A., "Inhibition of phosphatase 2B prevents expression of hippocampal long-term potentiation," *Neuroreport*, 5:2377-2380 (1994) **(Exhibit 29);**
AMA		Wang, J.-H., and Kelly, P.T., "The balance between postsynaptic Ca^{2+}-dependent protein kinase and phosphatase activities controlling synaptic strength," *Learn. and Mem.*, 3:170-181 (1996) **(Exhibit 30);**

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Amz		Wang, J.H., and Kelly, P.T. "Postsynaptic calcineurin activity downregulates synaptic transmission by weakening intracellular Ca2+ signaling mechanisms in hippocampal CA1 neurons," *J. Neurosci.*, 17:4600-4611 (1997) **(Exhibit 31);**
↓		Watanababe, Y., et al., "Identification in the calcineurin A subunit of the domain that binds the regulatory B subunit," *J. Biol. Chem.*, 270:456-460 (1995) **(Exhibit 32);**
↓		Winder, D.G., et al., "Genetic and pharmacological evidence for a novel, intermediate phase of long-term potentiation suppressed by calcineurin," *Cell*, 92:25-37 (1998) **(Exhibit 33)**; and
Amz		Zhuo, M., et al., "A selective role of calcineurin Aα in synaptic depotentiation in hippocampus," *Proc. Natl. Acad. Sci. U.S.A.*, 96:4650-4655 (1999) **(Exhibit 34)**.

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